(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 7 July 2005 (07.07.2005)

PCT

(10) International Publication Number WO 2005/061617 A1

(51) International Patent Classification7: C08G 2/38, 63/00, A61L 27/18

C08L 59/00,

(21) International Application Number:

PCT/GB2004/005445

(22) International Filing Date:

22 December 2004 (22.12.2004)

(25) Filing Language:

English

(26) Publication Language:

WC2N 6LA (GB).

English

(30) Priority Data:

0329654.8

23 December 2003 (23.12.2003) G

(71) Applicant (for all designated States except US): SMITH & NEPHEW, PLC [GB/GB]; 15 Adam Street, London

(72) Inventor; and

- (75) Inventor/Applicant (for US only): BROWN, Malcolm [GB/GB]; S & N York Science Park, Heslington, York YO10 5DF (GB).
- (74) Agent: CONNORS, Martin; Smith & Nephew Research Park, York Science Park, Heslington, York YO10 5DF (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TUNABLE SEGMENTED POLYACETAL

(57) Abstract: The present invention relates to polymer compositions namely biodegradable segmented block copolymers comprising polyol residues having a number average molecular weight of at least 4000 Daltons and in that the polyols are connected by actual linkages.